HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200314632-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Zhichen Xu et al.	Confirmation No.: TBD
Application No	D.: TBD	Examiner: TBD
Filing Date:	Herew ith	Group Art Unit: TBD
Title:	DETERMINE LOCATION INFO ONE LANDMARK NODE	RMATION FOR A NODE IN A NETWORK USING AT LEAST
Commissioner PO Box 1450 Alexandria, V	A 22313-1450	SCLOSURE STATEMENT
Sir:	IN GRAMMING B	501303N2 011112W211
	nation Disclosure Statement is su	omitted:
(W	der 37 CFR 1.97(b), or lithin three months of filing national appailing date of first office action on the me	ication; or date of entry of national application; or before its; whichever occurs last)
(der 37 CFR 1.97 (c) together wit) Statement under 37 CFR 1.97() a \$180.00 fee under 37 CFR 1 (After the CFR 1.97 (b) time period, but	e), or
(der 37 CFR 1.97 (d) together wit) Statement under 37 CFR 1.97() a \$180.00 fee set forth in 37 ((Filed after final action, a notice of allo	e)(1) or (2), and
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any required c applicant(s) be	opies of patents, publications or	O 1449 - Information Disclosure Statement together with other information of which applicant(s) are aware, which camination of this application and for which there may be .56.
and other for individuals(s) of attached shee foreign patent report or actio	eign language information listed designated in 37 CFR 1.56 (c) : t, or where a foreign language office in a counterpart foreign	f foreign language patents, foreign language publications on PTO Form 1449, as presently understood by the most knowledgeable about the content is given on the patent is cited in a search report or other action by a application, an English language version of the search elevance found by the foreign office is listed on form PTO
It is requested	that the information disclosed he	rein be made of record in this application.
deposited with as first class m Commissioner 1 22313-1450.	that this correspondence is being the United States Postal Service ail in an envelope addressed to: for Patents, Alexandria, VA Date of Deposit:	Respectfully submitted, Zhichen Xu et al. By
transmitted to t facsimile number Number of page	he Patent and Trademark Office er on	Ashok K. Mannava Attorney/Agent for Applicant(s) Reg. No. 45,301
Typed Name:		Date: Jan. 30, 2004
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	10	CALVERT, K. et pg 160-163, Ju	al., "Modeling In	ternet T	opology", IEEE Cor	mmunica	ations Magazine	, vol. 35, no.6	5,	
	1R	CASTRO, M. et Infrastructure", October 2002.	al., "Scribe: A La IEEE Journal on S	rge-Sca elected	le and Decentralize Areas in Communi	ed Applic ications,	cation-Level Mulvol. 20, no. 8,	ti-Cast pg 1489-1499	— 9,	
	15		"L+: Scalable La LCS, Tech, Marc		Routing and Addre	ess Look	sup for Multi-Ho	o Wireless		

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		OTHER REFE	RENCES (includin	g Autl	nor, Title, Date, P	Pertine	nt Pages, etc.)		
	10	CHU, Y. et al., Communication	"A Case For End S ss, vol. 20, no.8, po	ystem g 1456	Multicast", IEEE Jo -1471, October 200	ournal c	on Selected Area	s in	
	1R	DUAN, Z. et al. November 200	, "Service Overlay 2, pg 334-343.	Netwo	rks: SLAs, QoS and	d Band	width Provisionir	ng",ICNP,	
	18	FRANCIS, P. et Transactions or	al., "IDMaps: A GI n Networking, vol. !	obal In 9, no. §	ternet Host Distanc 5, pg 525-540, Oct	ce Estir tober 2	nation Service", 001.	IEEE/ACM	
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	1N 10 1P	FU, X. et al., "C Francisco, CA,	CANS: Composable March 2001.	, Adaptive Network Service		
	1N 10 1P 1Q	FU, X. et al., "C Francisco, CA, GUMMADI, K.P France, Novemb	CANS: Composable March 2001. . et al., "King: Esti per 2002, pg 5-18.	, Adaptive Network Service	es Infrastructure", USITS , San	

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	10	PEI, G. et al., "L Mobility", Mobil	ANMAR: Landma Hoc, Boston, MA,	rk Rout August	ing for Large Scale t 2000, pg 11-18.		s Ad Hoc Networ	ks with Group	_	
	1R	RATNASAMY, S. et al., "Topologically-Aware Overlay Construction and Server Selection", IEEE INFOCOM, NY, June 2002.								
	15	THEILMANN, W March 2000, pg	. et al., "Dynamic 275-284.	Distand	ce Maps of the Inte	ernet", II	EEE INFOCOM, T	el Aviv, Isreal,		
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	10	TSUCHIYA, P.F Networks", SIG	F., "The Landmark GCOMM, Stanford,	Hierarc CA, Au	hy: A New Hierarch ugust 1988, pg 35-4	thy For f	Routing In Very	Large	
	1R	XU, D. et al., " January 2002.	Finding Service Pa	iths in A	A Media Service Pro	oxy Netv	vork", MMCN, \$	San Jose, CA,	_
	15	ZHAO, B.Y. et MA, March 200		dmark F	Routing on Overlay I	Network	s", IPTPS 2002	2, Cambridge,	-
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